



# **CITY OF SANTA BARBARA**

## **COUNCIL AGENDA REPORT**

**AGENDA DATE:** May 24, 2011

**TO:** Mayor and Councilmembers

**FROM:** Engineering Division, Public Works Department

**SUBJECT:** Contract For Design For The Las Canoas Water Main Replacement

### **RECOMMENDATION:**

That Council authorize the Public Works Director to execute a City Professional Services Contract with O'Brien & Wall (Wall) in the amount of \$99,528 for design services for the Las Canoas Water Main Replacement Project (Project), and authorize the Public Works Director to approve expenditures of up to \$9,950 for extra services of Wall that may result from necessary changes in the scope of work.

### **DISCUSSION:**

#### **BACKGROUND**

The 8-inch water main located in Las Canoas Road was installed in 1959 to connect two City reservoirs located in the Mission Canyon and Riviera areas. The water main enables the two reservoirs to "float" off one another, meaning supply each other with water, depending on the demand. Over the years, additional development in the area has increased water demand, and the 52-year old water main now needs to be upsized to better serve the area with both domestic water supplies and water for fire protection.

This Project was submitted as a candidate to receive funds from the Federal Economic Recovery Program (FERP), for which the Project had to be "shovel ready." Design was initiated and Wall was hired on January 9, 2010, as the low bidder to provide drafting services for the Project plans for \$37,300. The Project was not selected for the FERP funding, so it was put on hold and scheduled into the Water Fund's capital program for construction in Fiscal Year 2012.

Since that time, there have been a number of staffing changes to the Engineering Division's design group and significant capital projects have commenced, thereby impacting staff's ability to complete the Project plans and specifications for construction bidding. Staff recommends contracting with Wall to provide these additional services to complete the bid documents and provide assistance during the bidding process.

## PROJECT DESCRIPTION

The work consists of replacing approximately 2.6 miles of existing 8-inch water main on Las Canoas Road with a new 12-inch High Density Polyethylene water main. The original scope of work has been expanded to consider replacing sections of the water main that cross under or through four bridges on Las Canoas Road.

## DESIGN PHASE CONSULTANT ENGINEERING SERVICES

Since Wall was selected through a competitive bidding process and performed the initial drafting services for the Project, staff recommends that Council authorize the Public Works Director to execute a Professional Services Contract with Wall in the amount of \$99,528 to complete the engineering plans and specification documents for construction bidding, and to provide support during the bidding process. Staff also recommends that Council authorize the Public Works Director to approve change orders of up to \$9,950 for extra services that may result from necessary changes in the scope of work, for a total amount of \$109,478.

Wall is a locally owned civil engineering firm with vast experience in water system design, and they have successfully performed similar work for the City in the past. Considering Wall's familiarity with the project and staff's current workload with competing capital projects, staff believes it is in the City's best interest to contract with Wall to complete this project for construction bidding.

## COMMUNITY OUTREACH

It is anticipated that there will be two methods used for community outreach during the design and construction phases. Mailers are typically sent out two to three months in advance of construction by design staff to alert residents and homeowners of the pending work; and during construction, door hangers will be placed at residences directly impacted by the work.

## FUNDING

The following summarizes all estimated total Project costs:

### ESTIMATED TOTAL PROJECT COST

Drafting Services (existing Purchase Order with Wall)	\$37,300
Design (by Contract)	\$109,478
Other Design Costs – City Staff	\$47,000
Survey	\$43,561
Other Design Costs - Environmental Review, Public Outreach	\$1,500
<b>Subtotal</b>	<b>\$238,839</b>
Estimated Construction Contract w/Change Order Allowance	\$3,415,500
Estimated Construction Management/Inspection (by Contract or City)	\$160,080
Estimated Other Construction Costs (testing, etc.)	\$500
<b>Subtotal</b>	<b>\$3,576,080</b>
<b>TOTAL PROJECT COST</b>	<b>\$3,814,919</b>

There are sufficient appropriated funds in the Water Capital Fund to cover design costs in Fiscal Year 2012.

**PREPARED BY:** Joshua Haggmark, Principal Civil Engineer/LA/sk

**SUBMITTED BY:** Christine F. Andersen, Public Works Director

**APPROVED BY:** City Administrator's Office